

Title (en)
SYSTEM AND METHOD FOR DIGITAL SIGNAL PROCESSING

Title (de)
SYSTEM UND VERFAHREN FÜR DIGITALE SIGNALVERARBEITUNG

Title (fr)
SYSTÈME ET MÉTHODE DE TRAITEMENT NUMÉRIQUE DE SIGNAL

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Application
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Priority

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Abstract (en)
[origin: US2015110289A1] The present invention provides methods and systems for digital processing of an input audio signal. Specifically, the present invention includes a high pass filter configured to filter the input audio signal to create a high pass signal. A first filter module then filters the high pass signal to create a first filtered signal. A first compressor modulates the first filtered signal to create a modulated signal. A second filter module then filters the modulated signal to create a second filtered signal. The second filtered signal is processed by a first processing module. A band splitter splits the processed signal into low band, mid band, and high band signals. The low band and high band signals are modulated by respective compressors. A second processing module further processes the modulated low band, mid band, and modulated high band signals to create an output signal.

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Citation (search report)

- [X1] WO 2009155057 A1 20091223 - BONGIOVI ANTHONY [US]
- [X1] US 2009086996 A1 20090402 - BONGIOVI ANTHONY [US], et al
- See references of WO 2015061393A1

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US 2015110289 A1 20150423; US 9397629 B2 20160719; AU 2014340178 B2 20200507; AU 2020213326 A1 20200827; CA 2928489 A1 20150430; CN 105830158 A 20160803; CN 105830158 B 20190802; EP 3061091 A1 20160831; EP 3061091 A4 20170531; HK 1226192 A1 20170922; IL 245250 A0 20160630; IL 245250 B 20200930; JP 2017502541 A 20170119; JP 6426730 B2 20181121; KR 20160074575 A 20160628; NO 20160775 A1 20160509; NZ 719298 A 20200529; SG 11201603173X A 20160530; WO 2015061393 A1 20150430

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